Table 3-5
Summary of Field-Collected Tissue Samples
Investigation Area H1 Feasibility Study
Mare Island, Vallejo, California

Tissue Type	Species	Collection Strategy	Sample Assessment
Plant	Various grasses, sedges, and annuals	Field -collected samples from each soil and sediment sampling locations at which living tissue was available.	BAF Calculation: Chemical concentrations in each tissue sample were compared with concentrations in collocated soil or sediment samples from two depths (0 to 0.5 and 1.0 to 1.5 ft bgs).
Pickleweed	Salicornia virginica	Field-collected samples from each soil and sediment sampling locations at which living tissue was available.	BAF Calculation: Chemical concentrations in each tissue sample were compared with concentrations in collocated sediment samples from two depths (0 to 0.5 and 1.0 to 1.5 ft bgs).
Earthworm	Eisenia foetida	Exposed earthworm samples in the laboratory to soils collected from each IA H uplands sample cell.	BAF Calculation: Chemical concentrations in each tissue sample were compared with concentrations in collocated soil samples from two depths (0 to 0.5 and 1.0 to 1.5 ft bgs).
Aquatic Invertebrate	Family Tipulidae	In 1997, two field-collected composite samples of aquatic invertebrates from Wetland D; near WETDSD014 & WETDSD015	BAF Calculation: The 1997 Wetland D tissue results were compared with results of collocated sediment samples (WETDSD014 & WETDSD015) at both depths (0 to 0.5 and 1.0 to 1.5 ft bgs). The 1999 tissue results were compared with all results for Wetland B and
	Family Corixidae	In 1999, three field-collected composite samples of aquatic invertebrates from Wetland B and two composite samples in Wetland D.	
Amphibian	Western toads (Bufo boreas)	One field-collected composite sample of recently metamorphosed Pacific tree frogs and one composite sample of Western toads from throughout Wetland B.	BAF Calculation: The amphibian tissue results were compared with results of all sediment samples in Wetland B at both depths (0 to 0.5 and 1.0 to 1.5 ft bgs).
	Pacific tree frogs (Hyla regilla)		
Mammal	House mice (Mus Musculus)	Field-collected samples (each sample a composite of 10 rodents) from IA H uplands sample cells.	BAF Calculation: Each mammal tissue result was compared with results for collocated soil samples from the upland cell where it was collected, using both soil depths (0 to 0.5 and 1.0 to 1.5 feet bgs).
	Deer mice (Peromyscus maniculatus)	In 1999, collected four additional composite tissue samples at UPLASS004 locations and collocated soil samples; analyzed for copper only	
	California vole (Microtus californicus)		

Source: Adapted from Table 4-4 in Onshore ERA (TtEMI, 2002); excluded UPLASS001 from BAF development because this sample was excavated during the IR16 removal actio conducted in 2004.